


## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

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## DATA MATRIX

Date November 13, 2020			EPA Reg. No./File Symbol 54555-NEW		Page 1 of 6
Applicant's/Registrant's Name & Address			Product:		
AlzChem Trostberg GmbH, Dr.-Albert-Frank Str. 32, D-83308, Germany			AlzChem Forchlorfenuron Technical		
Ingredient Forchlorfenuron					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	51348301	AlzChem Trostberg GmbH	OWN	
830.1600	Description of Materials Used to Produce the Product	51348301	AlzChem Trostberg GmbH	OWN	
830.1620	Description of Production Process	51348301	AlzChem Trostberg GmbH	OWN	
830.1670	Discussion of Formation of Impurities	51348301	AlzChem Trostberg GmbH	OWN	
830.1700	Preliminary Analysis	51348302	AlzChem Trostberg GmbH	OWN	
830.1750	Certified Limits	51348301	AlzChem Trostberg GmbH	OWN	
830.1800	Enforcement Analytical Method	51348302	AlzChem Trostberg GmbH	OWN	
830.6302	Color	51348303	AlzChem Trostberg GmbH	OWN	
830.6303	Physical State	51348303	AlzChem Trostberg GmbH	OWN	
830.6304	Odor	51348303	AlzChem Trostberg GmbH	OWN	
830.6313	Stability to normal & elevated temp., metal, metal ion ions	Cite-All		OLD	
830.6314	Oxidation/Reduction	51348312	AlzChem Trostberg GmbH	OWN	Waiver <sup>1</sup>
830.6315	Flammability / Flame Extension				Waiver <sup>2</sup>
830.6316	Explosibility	51348312	AlzChem Trostberg GmbH	OWN	Waiver <sup>1</sup>
830.6317	Storage Stability	47296201	KIM-C1, LLC	PAY	
830.6319	Miscibility				Waiver <sup>3</sup>
830.6320	Corrosion Characteristics	47296201	KIM-C1, LLC	PAY	
Signature 			Name and Title Jane M. Miller, Agent		Date 11/13/2020

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Ingredient Forchlorfenuron					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6321	Dielectric Breakdown Voltage				Waiver <sup>3</sup>
830.7000	pH	51348304	AlzChem Trostberg GmbH	OWN	
830.7050	UV/Visible Spectrum	51348305	AlzChem Trostberg GmbH	OWN	
830.7100	Viscosity				Waiver <sup>3</sup>
830.7200	Melting Point/ Melting Range	51348306	AlzChem Trostberg GmbH	OWN	
830.7300	Density	51348307	AlzChem Trostberg GmbH	OWN	
830.7370	Dissociation Constant	51348308	AlzChem Trostberg GmbH	OWN	
830.7520	Particle Size, Fiber Length, and Diameter Distribution				Waiver <sup>3</sup>
830.7550	Partition Coefficient	51348309	AlzChem Trostberg GmbH	OWN	
830.7840	Water Solubility	51348310	AlzChem Trostberg GmbH	OWN	
830.7950	Vapor Pressure	51348311	AlzChem Trostberg GmbH	OWN	
835.1230	Soil Adsorption/Desorption (Batch Equilibrium)	Cite-All		OLD	
835.2120	Hydrolysis as a Function of pH and Temperature	Cite-All		OLD	
835.2210	Direct Photolysis Rate in Water by Sunlight	Cite-All		OLD	
835.4100	Aerobic Soil Metabolism	Cite-All		OLD	
835.4200	Anaerobic Soil Metabolism	Cite-All		OLD	
835.6100	Terrestrial Field Dissipation				Waiver <sup>4</sup>
835.6100	Terrestrial Field Dissipation	49165702	KIM-C1, LLC	PAY	
Signature 			Name and Title Jane M. Miller, Agent		Date 11/13/2020

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Ingredient Forchlorfenuron					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.7100	Ground Water Monitoring	Cite-All		OLD	
840.1100	Spray Droplet Size Spectrum	Cite-All		OLD	
840.1200	Spray Field Deposition	Cite-All		OLD	
850.1010	Acute Toxicity Freshwater Invertebrates	Cite-All		OLD	
850.1075	Fish Acute Toxicity (Freshwater)	Cite-All		OLD	
850.4100	Seedling Emergence	Cite-All		OLD	
850.4150	Vegetative Vigor	46753505 49862501	KIM-C1, LLC	PAY	
850.4400	Aquatic Plant Growth Toxicity Test Using <i>Lemna</i> spp	Cite-All		OLD	
850.5400	Algal Toxicity	46753501 46753502 46753503 46753504	KIM-C1, LLC	PAY	
860.1300	Nature of the Residue - Plants	Cite-All		OLD	
860.1300	Nature of the Residues - Livestock	48966605	KIM-C1, LLC	PAY	
860.1340	Residue Analytical Method	Cite-All		OLD	
860.1500	Crop Field Trials	Cite-All		OLD	
860.1500	Crop Field Trials	47150801 47190601 47190602 48966601 48966602	KIM-C1, LLC	PAY	
			Jane M. Miller, Agent		11/13/2020

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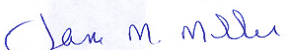
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Ingredient Forchlorfenuron					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1550	Proposed Tolerances	48966603	KIM-C1, LLC	PAY	
870.1100	Acute Oral Toxicity	Cite-All		OLD	
870.1200	Acute Dermal Toxicity	Cite-All		OLD	
870.1300	Acute Inhalation Toxicity	Cite-All		OLD	
870.2400	Primary Eye Irritation	Cite-All		OLD	
870.2500	Primary Dermal Irritation	Cite-All		OLD	
870.2600	Dermal Sensitization	Cite-All		OLD	
870.3100	90-Day Oral Toxicity (Rodent)	Cite-All		OLD	
870.3150	90-Day Oral Toxicity (Non-Rodent)	Cite-All		OLD	
870.3700	Prenatal Developmental Toxicity	Cite-All		OLD	
870.3800	Reproduction and Fertility Effects	Cite-All		OLD	
870.4100	Chronic Oral Toxicity	Cite-All		OLD	
870.4200	Carcinogenicity	Cite-All		OLD	
870.5100	Bacterial Reverse Mutation Assay	Cite-All		OLD	
870.6200	Neurotoxicity Screening Battery	48966606	KIM-C1, LLC	PAY	
870.7800	Immunotoxicity	49080501	KIM-C1, LLC	PAY	
870.5300	<i>In vitro</i> Mammalian Cell Gene Mutation Test	Cite-All		OLD	
870.5550	Unscheduled DNA Synthesis in Mammalian Cells in	Cite-All		OLD	
870.7485	Metabolism and Pharmacokinetics	Cite-All		OLD	
Signature 			Name and Title Jane M. Miller, Agent		Date 11/13/2020

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Ingredient Forchlorfenuron					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
890.1100	Amphibian Metamorphosis (Frog				Endnote <sup>5</sup>
890.1150	Androgen Receptor Binding (Rat Prostate Cytosol)				Endnote <sup>5</sup>
890.1200	Aromatase (Human Recombinant)				Endnote <sup>5</sup>
890.1250	Estrogen Receptor Binding Assay Using Rat Uterine Cytosol				Endnote <sup>5</sup>
890.1300	Estrogen Receptor Transcriptional Activation (Human Cell Line (HeLa-9903))				Endnote <sup>5</sup>
890.1350	Fish Short-Term Reproduction Assay				Endnote <sup>5</sup>
890.1400	Hershberger Bioassay				Endnote <sup>5</sup>
890.1450	Pubertal Development and Thyroid Function in Intact Juvenile/Peripubertal Female Rats				Endnote <sup>5</sup>
890.1500	Pubertal Development and Thyroid Function in Intact Juvenile/Peripubertal Male Rats				Endnote <sup>5</sup>
890.1550	Steroidogenesis (Human Cell Line H295R)				Endnote <sup>5</sup>
890.1600	Uterotrophic Assay				Endnote <sup>5</sup>
890.2100	Avian Two-generation Toxicity Test in the Japanese Quail				Endnote <sup>5</sup>
890.2200	Madeka Extended One-generation Reproduction Test				Endnote <sup>5</sup>
890.2300	Larval Amphibian Growth and Development Assay (LAGDA)				Endnote <sup>5</sup>
Signature 			Name and Title Jane M. Miller, Agent		Date 11/13/2020

## Endnotes for Data Matrix for Alzchem Forchlorfenuron Technical

<sup>1</sup> **830.6314, 830.6316** - Forchlorfenuron has two electronegative atoms, oxygen and chlorine. The oxygen is bound to a carbon atom (explosive and oxidizing properties are unlikely). The fluorine atom is bound to carbon (explosive and oxidizing properties are unlikely). In both cases (oxygen and chlorine), explosive and oxidizing properties are unlikely. Considering this, explosive and oxidising properties of Forchlorfenuron are not expected by consideration the structural formula. See MRID 51348312

<sup>2</sup> **830.6315** – Alzchem Trostberg GmbH requests a waiver from this data requirement Alzchem Forchlorfenuron Technical does not contain combustible material, and therefore flammability data is not required for this technical.

<sup>3</sup> **830.6319, 830.6321, 830.7100, 830.7520** – Alzchem Forchlorfenuron Technical is a solid technical material and is not an emulsifiable concentrate to be diluted with petroleum solvents. Therefore, miscibility data are not required for this technical. Alzchem Forchlorfenuron Technical is not an end use product to be used around electrical equipment, therefore data for dielectric breakdown constant are not required. Alzchem Forchlorfenuron Technical is a solid and not a liquid, therefore, viscosity data are not required for this product. Alzchem Trostberg GmbH is seeking a waiver for particle size, fiber length and diameter distribution because Alzchem Forchlorfenuron Technical is not water insoluble and is not a fibrous material.

<sup>4</sup> **Terrestrial Field Dissipation** - GDCI study was waived (Ref. August 11, 2015 Memo from Wendel/Orrick to Howard/Kish).

<sup>5</sup> **Endocrine Disruption Screening Battery** - Data for forchlorfenuron are not required at this time.